

## Product datasheet for MR219405

### Il1f5 (NM\_001146088) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Il1f5 (NM\_001146088) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Il1f5  
**Synonyms:** AI413231; Fil1 delta; Il-1h3; IL-36Ra; Il1hy1; IL36RN  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR219405 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTCTGAGTGGGCACTATGCTTCCGAATGAAGGATTCAGCCTTGAAGGACTGTATCTGCACAATA  
ACCAGCTGCTGGCTGGAGGACTGCACGCAGAGAAGGTCATTAAGGTGAGGAGATCAGTGTGTCCCAAA  
TCGGGCACTGGATGCCAGTCTGTCCCCTGTCATCCTGGCGTTCAAGGAGGAAGCCAGTGCCTATCTTGT  
GGGACAGAGAAAGGCCAATTCTGAAACTTGAGCCAGTGAACATCATGGAGCTCTACCTCGGGCCAAGG  
AATCAAAGAGCTTCACCTTCTACCGCGGGATATGGGTCTTACCTCCAGCTTCGAATCCGCTGCCTACCC  
AGGCTGGTTCCTCTGCACCTCACCGGAAGCTGACCAGCCTGTGAGGCTCACTCAGATCCCTGAGGACCC  
GCCTGGGATGCTCCCATCACAGACTTCTACTTTCAGCAGTGTGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR219405 protein sequence  
 Red=Cloning site Green=Tags(s)

MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAEKVIKGEIISVVPNRALDASLSPVILGVQGGSQLCLSC  
 GTEKGPILKLEPVNIMELYLGAKESKSFYRRDMGLTSSFESAAYPGWFLCTSPEADQPVRLTQIPEDP  
 AWDAPITDFYFQQCD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001146088

**ORF Size:** 468 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001146088.1](#), [NP\\_001139560.1](#)

**RefSeq Size:** 1722 bp

**RefSeq ORF:** 471 bp

**Locus ID:** 54450

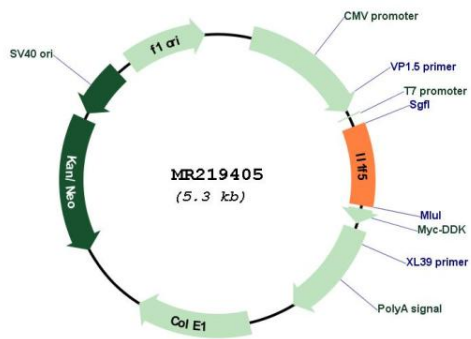
**UniProt ID:** [Q9QYY1](#)

**Cytogenetics:** 2 16.31 cM

**MW:** 17 kDa

**Gene Summary:** Inhibits the activity of interleukin-36 (IL36A,IL36B and IL36G) by binding to receptor IL1RL2/IL-36R and preventing its association with the coreceptor IL1RAP for signaling. Part of the IL-36 signaling system that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 system with which it shares the coreceptor. Proposed to play a role in skin inflammation. May be involved in the innate immune response to fungal pathogens. May activate an anti-inflammatory signaling pathway by recruiting SIGIRR.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219405